

Table 57-1 Minority field concentration ratio¹ and dissimilarity index² at the bachelor's degree level: Academic years ending 1977–96

Field of study	1977	1979	1981	1985	1987	1989	1990	1991	1992	1993	1994	1995	1996
Black													
Humanities and social/behavioral sciences	1.02	1.03	1.01	0.98	0.94	0.92	0.93	0.93	0.93	0.94	0.96	0.96	0.97
Humanities	0.69	0.78	0.74	0.83	0.83	0.80	0.81	0.78	0.80	0.80	0.82	0.82	0.83
Social and behavioral sciences	1.32	1.27	1.27	1.13	1.06	1.04	1.05	1.07	1.07	1.08	1.09	1.10	1.10
Natural and computer sciences and engineering	0.60	0.61	0.66	0.75	0.90	0.94	0.95	0.96	0.95	0.94	0.91	0.90	0.90
Natural sciences	0.65	0.69	0.74	0.81	0.87	0.91	0.90	0.92	0.92	0.91	0.86	0.83	0.85
Life sciences	0.70	0.77	0.81	0.92	0.92	1.00	0.99	0.96	0.95	0.95	0.87	0.83	0.86
Physical sciences	0.45	0.44	0.57	0.58	0.73	0.72	0.73	0.79	0.77	0.72	0.71	0.72	0.72
Mathematics	0.78	0.85	0.82	0.91	0.93	0.95	0.88	0.96	1.00	1.00	1.00	1.00	0.98
Computer sciences and engineering	0.51	0.51	0.59	0.71	0.92	0.96	0.98	0.98	0.97	0.96	0.96	0.97	0.95
Computer and information sciences	0.91	0.91	0.83	0.98	1.44	1.68	1.71	1.59	1.61	1.67	1.70	1.68	1.55
Engineering	0.45	0.45	0.54	0.48	0.61	0.60	0.63	0.68	0.68	0.70	0.67	0.68	0.69
Engineering technologies	—	—	—	1.04	1.08	1.08	1.14	1.19	1.17	1.01	1.05	1.07	1.12
Technical and professional	1.11	1.11	1.11	1.11	1.07	1.06	1.06	1.06	1.06	1.05	1.06	1.06	1.05
Education	1.42	1.40	1.35	1.01	0.81	0.71	0.66	0.67	0.69	0.70	0.74	0.75	0.78
Business management	1.03	1.01	1.02	1.09	1.07	1.07	1.09	1.12	1.13	1.14	1.19	1.20	1.19
Health sciences	0.84	0.81	0.84	0.99	1.03	1.15	1.20	1.17	1.05	1.02	0.87	0.92	0.91
Other technical/professional	0.97	1.10	1.18	1.29	1.29	1.29	1.29	1.26	1.23	1.21	1.17	1.16	1.14
Dissimilarity Index ²	12.70	11.20	10.84	7.80	7.85	8.85	9.31	9.48	8.69	8.47	9.19	9.06	8.48
Hispanic													
Humanities and social/behavioral sciences	1.23	1.22	1.20	1.15	1.11	1.14	1.13	1.10	1.17	1.18	1.21	1.22	1.22
Humanities	1.17	1.15	1.11	1.09	1.10	1.10	1.12	1.06	1.13	1.19	1.22	1.24	1.24
Social and behavioral sciences	1.29	1.28	1.29	1.20	1.13	1.18	1.14	1.13	1.22	1.17	1.20	1.20	1.21
Natural and computer sciences and engineering	0.85	0.88	0.91	0.92	1.05	1.05	1.07	1.07	1.03	0.99	0.96	0.94	0.92
Natural sciences	0.82	0.89	0.94	0.95	0.98	1.01	0.98	0.99	0.98	0.92	0.91	0.84	0.83
Life sciences	0.89	1.04	1.13	1.25	1.26	1.25	1.18	1.20	1.16	1.08	1.03	0.94	0.91
Physical sciences	0.71	0.66	0.70	0.64	0.77	0.77	0.70	0.71	0.63	0.64	0.65	0.55	0.56
Mathematics	0.76	0.76	0.72	0.67	0.62	0.72	0.80	0.80	0.88	0.77	0.87	0.83	0.86
Computer sciences and engineering	0.90	0.86	0.87	0.91	1.09	1.08	1.12	1.13	1.07	1.05	1.00	1.03	1.01
Computer and information sciences	0.73	0.84	0.89	0.84	1.11	1.15	1.18	1.26	1.20	1.09	1.03	1.14	1.02
Engineering	0.92	0.86	0.87	0.93	1.09	1.09	1.07	1.10	1.04	1.05	1.00	1.03	1.01
Engineering technologies	—	—	—	0.97	1.08	0.95	1.21	1.03	0.98	1.00	0.95	0.93	0.98
Technical/professional	0.89	0.91	0.92	0.95	0.92	0.90	0.90	0.92	0.88	0.88	0.87	0.87	0.87
Education	1.05	1.11	1.12	1.04	0.89	0.74	0.81	0.86	0.73	0.64	0.64	0.62	0.64
Business management	0.84	0.85	0.87	0.94	0.97	0.97	0.93	0.94	0.93	0.98	1.00	1.03	1.04
Health sciences	0.72	0.76	0.75	0.89	0.75	0.79	0.87	0.85	0.78	0.74	0.68	0.66	0.65
Other technical/professional	0.84	0.87	0.90	0.96	0.93	0.96	0.94	0.95	0.95	0.97	0.94	0.94	0.94
Dissimilarity Index ²	8.68	8.46	8.03	5.33	5.29	6.03	5.94	5.07	7.09	7.00	7.39	8.43	8.48

Table 57-1 Minority field concentration ratio¹ and dissimilarity index² at the bachelor's degree level: Academic years ending 1977–96—Continued

Field of study	1977	1979	1981	1985	1987	1989	1990	1991	1992	1993	1994	1995	1996
Asian/Pacific Islander													
Humanities and social/behavioral sciences	0.96	0.92	0.87	0.82	0.86	0.88	0.87	0.86	0.88	0.88	0.90	0.90	0.91
Humanities	0.90	0.88	0.84	0.79	0.82	0.80	0.81	0.80	0.81	0.83	0.85	0.83	0.85
Social and behavioral sciences	1.02	0.96	0.89	0.84	0.90	0.95	0.93	0.93	0.94	0.93	0.96	0.97	0.97
Natural and computer sciences and engineering	1.55	1.69	1.89	2.01	2.13	2.23	2.35	2.38	2.32	2.26	2.15	2.11	2.07
Natural sciences	1.46	1.56	1.56	1.81	1.91	2.01	2.13	2.13	2.16	2.16	2.11	2.14	2.14
Life sciences	1.62	1.78	1.72	1.99	2.16	2.33	2.54	2.55	2.71	2.68	2.64	2.62	2.56
Physical sciences	1.06	1.07	1.21	1.20	1.38	1.47	1.63	1.62	1.46	1.45	1.26	1.36	1.45
Mathematics	1.48	1.65	1.78	2.35	2.00	1.88	1.67	1.64	1.46	1.44	1.41	1.41	1.34
Computer sciences and engineering	1.70	1.85	2.19	2.13	2.25	2.38	2.50	2.57	2.45	2.35	2.18	2.08	2.00
Computer and information sciences	1.74	1.85	2.29	2.12	2.17	2.41	2.58	2.52	2.48	2.56	2.39	2.30	2.22
Engineering	1.70	1.85	2.16	2.39	2.55	2.72	2.86	2.99	2.79	2.63	2.45	2.34	2.22
Engineering technologies	—	—	—	1.12	1.32	1.22	1.18	1.22	1.21	1.10	0.96	0.87	0.87
Technical/professional	0.86	0.83	0.78	0.69	0.65	0.68	0.68	0.69	0.71	0.72	0.73	0.73	0.73
Education	0.42	0.38	0.33	0.32	0.36	0.29	0.22	0.19	0.20	0.21	0.20	0.22	0.23
Business management	1.15	1.08	0.97	0.87	0.76	0.87	0.90	0.96	1.01	1.06	1.10	1.13	1.13
Health sciences	1.16	1.02	0.99	0.77	0.73	0.76	0.86	0.88	0.87	0.82	0.82	0.81	0.82
Other technical/professional	0.87	0.83	0.75	0.58	0.62	0.57	0.55	0.55	0.52	0.52	0.52	0.51	0.50
Dissimilarity Index ²	13.10	13.80	16.12	21.81	22.93	21.51	21.70	21.30	20.06	20.16	19.80	20.33	19.92
American Indian/Alaskan Native													
Humanities and social/behavioral sciences	1.02	1.08	1.14	1.09	1.11	1.02	1.05	1.00	1.03	1.08	1.08	1.06	1.06
Humanities	0.94	0.92	1.03	1.05	1.07	1.02	1.07	1.00	1.04	1.03	1.04	1.04	1.03
Social and behavioral sciences	1.10	1.23	1.25	1.14	1.16	1.02	1.03	0.99	1.02	1.13	1.11	1.07	1.09
Natural and computer sciences and engineering	0.76	0.75	0.69	0.87	0.87	0.94	0.83	0.91	0.87	0.89	0.87	0.89	0.85
Natural sciences	0.76	0.81	0.73	0.96	0.94	1.01	0.94	1.04	0.91	0.98	0.93	0.93	0.90
Life sciences	0.80	0.81	0.83	0.98	1.00	1.10	0.91	1.16	1.01	1.00	0.98	0.97	0.94
Physical sciences	0.81	0.72	0.69	0.92	0.91	0.93	1.14	1.04	0.85	1.09	0.86	0.92	0.90
Mathematics	0.50	0.95	0.43	0.94	0.83	0.89	0.81	0.76	0.70	0.79	0.82	0.77	0.70
Computer sciences and engineering	0.77	0.69	0.66	0.82	0.83	0.90	0.75	0.82	0.84	0.81	0.82	0.86	0.81
Computer and information sciences	0.66	0.35	0.38	0.86	0.81	0.86	0.96	0.92	0.85	0.84	0.74	0.98	0.75
Engineering	0.79	0.73	0.72	0.67	0.79	0.74	0.62	0.70	0.73	0.66	0.74	0.70	0.73
Engineering technologies	—	—	—	1.31	1.01	1.46	0.91	1.07	1.22	1.33	1.19	1.28	1.20
Technical/professional	1.06	1.03	1.02	1.00	0.99	1.00	1.02	1.03	1.02	0.98	0.99	1.00	1.01
Education	1.37	1.39	1.36	1.21	1.23	1.31	1.25	1.24	1.21	1.11	1.17	1.26	1.26
Business management	0.79	0.79	0.82	0.91	0.81	0.83	0.81	0.84	0.82	0.86	0.82	0.78	0.84
Health sciences	0.73	0.87	0.83	0.96	1.05	1.02	1.08	1.14	1.15	1.03	0.96	0.97	0.98
Other technical/professional	1.21	1.10	1.16	1.05	1.14	1.08	1.19	1.13	1.14	1.05	1.12	1.11	1.06
Dissimilarity Index ²	9.98	10.29	10.47	5.75	7.23	6.24	7.32	5.76	6.26	5.32	6.19	6.46	5.70

Table 57-1 Minority field concentration ratio¹ and dissimilarity index² at the bachelor's degree level: Academic years ending 1977–96—Continued

Field of study	1977	1979	1981	1985	1987	1989	1990	1991	1992	1993	1994	1995	1996
Nonresident alien													
Humanities and social/behavioral sciences	0.73	0.76	0.69	0.69	0.65	0.65	0.68	0.71	0.73	0.74	0.73	0.75	0.76
Humanities	0.71	0.76	0.65	0.66	0.63	0.65	0.67	0.72	0.75	0.76	0.74	0.78	0.77
Social and behavioral sciences	0.75	0.76	0.73	0.71	0.68	0.66	0.69	0.70	0.71	0.73	0.72	0.72	0.75
Natural and computer sciences and engineering	2.32	2.39	2.48	1.96	2.06	2.21	2.32	2.20	2.19	2.07	1.91	1.80	1.71
Natural sciences	1.22	1.19	1.10	1.08	1.02	1.16	1.20	1.24	1.23	1.20	1.03	0.95	0.89
Life sciences	1.11	0.93	0.86	0.81	0.81	0.97	0.98	1.07	0.99	1.00	0.82	0.76	0.73
Physical sciences	1.44	1.50	1.23	1.08	1.09	1.34	1.45	1.40	1.44	1.57	1.31	1.17	1.06
Mathematics	1.30	1.61	1.72	1.77	1.42	1.39	1.44	1.49	1.66	1.35	1.36	1.38	1.34
Computer sciences and engineering	4.19	3.89	3.77	2.50	2.67	2.87	3.07	2.91	2.93	2.78	2.69	2.58	2.51
Computer and information sciences	2.48	2.28	2.21	1.91	2.54	3.14	3.45	3.54	3.81	3.92	3.86	3.56	3.30
Engineering	4.42	4.12	4.09	3.43	3.48	3.64	3.84	3.08	3.06	2.89	2.73	2.66	2.59
Engineering technologies	—	—	—	2.21	1.76	1.27	1.50	1.53	1.28	0.95	1.05	1.06	1.17
Technical/professional	0.77	0.70	0.68	0.78	0.79	0.81	0.80	0.84	0.84	0.87	0.91	0.92	0.94
Education	0.30	0.36	0.35	0.37	0.31	0.23	0.23	0.26	0.20	0.19	0.19	0.19	0.24
Business management	1.28	1.04	0.94	1.07	1.14	1.21	1.21	1.29	1.36	1.45	1.64	1.77	1.83
Health sciences	0.64	0.48	0.37	0.42	0.41	0.47	0.54	0.61	0.55	0.53	0.45	0.38	0.39
Other technical/professional	0.73	0.69	0.73	0.72	0.66	0.67	0.66	0.64	0.61	0.60	0.59	0.56	0.55
Dissimilarity Index ²	24.88	22.44	22.47	20.38	23.87	25.29	25.73	26.07	27.38	28.11	30.32	31.08	30.94

— Data not available for field of study prior to 1985.

¹ The minority field concentration ratio is calculated as the percentage of a minority group earning bachelor's degrees who majored in a selected field of study divided by the percentage of whites earning bachelor's degrees who majored in the same field. For example, the 1996 black-to-white concentration ratio for education = 7.8/10.1 = 0.78. A value greater than 1 indicates that minority graduates are more likely to major in that field than whites, whereas a value less than 1 indicates that minority graduates are less likely to major in that field than whites.

² The dissimilarity index represents the percentage of students in a minority group who would need to change fields in order to make

their percentage distribution across fields the same as the distribution of white students. It is calculated as the sum of the absolute difference between the percentages of minority and white students majoring in each field divided by 2.

NOTE: Analysis includes only those degree recipients whose race-ethnicity and field of study were known. See the supplemental note to this indicator for a description of fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, various years (based on IPEDS "Completions" surveys).